

JVC GR-D290



JVC's compact MiniDV video camera GR-D290 offers innovative features, covering everyone's shooting needs, from beginners to the experienced users. JVC introduces the Live Slow technology with the GR-D290. This technology allows, for the first time ever, the user to record slow motion images and play them back with real-time sound. Live Slow is extremely useful for playing back precious or hard-to-see moments as the speed is slowed down to a quarter of normal playing speed. This effect is achieved by the camera recording the picture at 1/4 the normal speed, and thus showing with great clarity a slow motion effect. Slow motion images are recorded with sound on a DVC tape and played back in real time, thus allowing one to view greater detail in the image. In addition, even footage shot at normal speed can be played back with the slow motion effect. In this way precious moments become all the more enjoyable. With the GR-D cameras JVC also introduce a 25x optical zoom and 800x digital zoom. These precision lenses offer new possibilities to users. Images can be enlarged up to 25 times without encountering jagged edges or other undesirable noise in the image. The picture can further be enlarged up to 800 times when the digital zoom is employed. These zoom lenses demonstrate JVC's commitment to push existing technology to new levels. JVC's Super High-Band Processor expands the camera's signal's frequency range to raise horizontal resolution to 520 lines or more, thereby taking full advantage of the DV format's original high resolution. JVC's 3D NR (3-Dimension Noise Reduction) compares field A to field A, and field B to field B across two frames so that the scanning lines are identical and noise can be reduced more accurately. As a result, the signal-to-noise ratio is improved by 2 dB and noise is reduced by about 30%. So, flicker is eliminated and color reproduction is improved, enhancing overall picture quality. The USB interface present on the GR-D290 easily interfaces with many recent laptop and desktop personal computers. This USB port supports USB Video Class for high-speed industry standard video streaming and data transfer without the need for an IEEE 1394. With the provided "CyberLink DVD Solution", one-touch DVD burning, as well as VCD burning, is possible, allowing you to store sharp,

high-quality images that can be viewed with crisp reproduction, even on a large-screen. The GR-D290's built-in Digital Still Camera function lets the user shoot HG Digital Stills with 2 image size settings (1024x768/640x480-pixel) and store them on MultiMediaCard (provided with the GR-D290). Stored data can be quickly transferred due to USB Mass Storage Class compatibility. Or, the camera's memory card can be inserted into an optional Floppy Disk Adapter or PC Card Adapter for easy transferring to a computer. The GR-D camcorders feature a 2.5" Clear LCD Monitor which provides bright and vivid images with reduced surface reflection and glare when shooting outdoors, so users enjoy shooting under the sun without the washed out image common with conventional LCDs. It's also possible to view through the viewfinder and LCD monitor simultaneously, especially convenient in situations where you want to share the view with other people.

www.dooyoo.co.uk :: Photography :: Digital Camcorder :: JVC GR-D290

General	
Product Type	Camcorder
Width	5.6 cm
Depth	11.2 cm
Height	9.4 cm
Weight	0.4 kg

Main Features

Camcorder Sensor Resolution	800 Kpix
Camcorder Effective Video Resolution	400 Kpix
Webcam Capability	Yes
Media Type	Mini DV
Colour Support	Colour
Horizontal Resolution	520 lines
Optical Sensor Type	CCD
Optical Sensor Size	1/6"
Analogue Video Format	PAL
Digital Zoom	800 x
Recording Speed	SP, LP
Shooting Modes	Digital photo mode
Shooting Programs	Spotlight, sports mode, twilight mode, snow
Special Effects	Black & White, Sepia, Cinema, Mirror, Gain-up, Classic Film, Strobe
Faders	White fader, slide wipe, door wipe, black & white fader, scroll wipe, window wipe, corner wipe, shutter wipe, black fader
Image Stabiliser	Electronic
Max Shutter Speed	1/4000 sec
Min Shutter Speed	1/50 sec
Exposure Metering	Spot, matrix
Exposure Modes	Programme, automatic, manual
White Balance	Custom, automatic, presets
White Balance Presets	Fine, cloudy, halogen
Still Image Format	JPEG
Remote Control	Remote control - infrared

Memory / Storage

Flash Memory	8 MB Flash - MultiMediaCard
Image Storage	Fine JPEG 640 x 480 : 47 - with 8MB card Fine JPEG 1024 x 768 : 21 - with 8MB card Standard JPEG 640 x 480 : 160 - with 8MB card Standard JPEG 1024 x 768 : 65 - with 8MB card

Lens System

Type	Zoom lens - 2.2 mm - 55 mm - f/1.8-3.2
Focal Length	2.2 mm - 55 mm
Focal Length Equivalent to 35mm Camera	42 - 1050mm
Focus Adjustment	Automatic, manual
Auto Focus	TTL contrast detection
Lens Aperture	F/1.8-3.2
Optical Zoom	25 x
Zoom Adjustment	Motorised drive
Filter Size	27 mm

Additional Features

DV input	Yes
Edit Functions	Audio dubbing
Low Lux / Night Mode	Yes
Digital Still Camera Function	Yes
Search Modes	Blank search
Built-in Light	Yes
Time Code	Yes
Additional Features	Built-in speaker, demonstration mode, backlight compensation, auto power save, digital noise reduction, DPOF support, display brightness control

Viewfinder

Viewfinder Type	LCD monitor
Viewfinder Colour Support	Colour
Viewfinder Diagonal Size	0.16"

Display

Type	LCD display - TFT active matrix - 2.5" - colour
Display Form Factor	Rotating

Microphone

Type	Microphone - built-in
Microphone Technology	Electret condenser
Microphone Operation Mode	Stereo
Microphone Features	Wind noise reduction

Connections

Connector Type	1 x IEEE 1394 (FireWire/i.LINK) 1 x DC power input 1 x composite video/audio (input/output) 1 x USB 1 x microphone
Expansion Slot(s)	1 x SD Memory Card

Software

Software	Drivers & Utilities, JVC Digital Photo Navigator, CyberLink PowerDirector 3, CyberLink PowerProducer 2.0 Gold
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System Requirements for PC Connection

Operating System Support	MS Windows XP, MS Windows 2000, MS Windows ME, MS Windows98 SE, Apple MacOS 9.0.4 or later
Peripheral Devices	USB port, CD-ROM Drive
System Requirements Details	Windows 98SE/2000/ME/XP - Pentium MMX - 200 MHz - 64 MB

Miscellaneous

Included Accessories	Camcorder shoulder strap, lens cap
Cables Included	A/V cable S-Video cable USB cable

Power

Power Device	Power adapter - external
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Battery

Supported Battery	JVC BN-VF707U
Supported Battery Details	1 x JVC BN-VF707U Li-ion rechargeable battery - 700 mAh (included)

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C